# Ecological Restoration



#### **EDITORIAL**

Island Life: Urban Habitats as Theaters for the Evolution of Biodiversity Steven N. Handel

#### **RESTORATION NOTES**

Plant-Derived Smoke Influences Germination of Native and Invasive Plant Species

Joe Bennett and Lora Perkins

Effects of Invasive Shrubs on the Herbaceous Community in a Mixed Forest Rose Neumeyer Phillips and Michaeleen E. Gerken Golay

Cadmium Uptake and Growth of Three Native California Species Grown in Abandoned Mine Waste Rock *Jeffrey Lauder, Oriana Chafe and Jane Godfrey* 

Evidence of Increased Soil Organic Matter Accumulation in a Tropical Alpine Wetland After Cattle Removal Jorge A. Villa

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Stakeholders' Perceptions of Native Plants and Local Ecotypes in Ecological Restoration

Emily A. Altrichter, Janette R. Thompson and Catherine M. Mabry

Restoring Industrial Disturbances with Native Hay in Mixedgrass Prairie in Alberta Peggy A. Desserud and Chris H. Hugenholtz

Topsoil Stockpiling in Restoration: Impact of Storage Time on Plant Growth and Symbiotic Soil Biota Christina Birnbaum, Laura Elizabeth Bradshaw, Katinka Xoliswa Ruthrof and Joseph Benjamin Fontaine

Long-Term Response of Stream and Riparian Restoration at Wilson Creek, Kentucky USA

Andrea N. Drayer, Kenton L. Sena, Christopher D. Barton and Danielle M. Andrews

Direct Application of Invasive Species Prioritization: The Spatial Invasive Infestation and Priority Analysis Model Deborah Stone and Michael Andreu







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**Front Cover Feature:** In this issue, Altrichter and colleagues survey conservation and nursey professionals to understand differences between these stakeholders in terms of use, sale, and perception of native and local ecotype plant material. Bridging the gap between these stakeholders is imperative for properly sourced, native plant material for successful ecological restoration projects. On the cover, *Bombus* sp. visiting an *Asclepias tuberosa* (butterfly milkweed), an important native plant used widely in the United States for ecological restoration activities. Photo credit: Elena Tartaglia.

#### **Back Cover Features:**

Top: Islands in the concrete jungle. Urban areas offer unique opportunities to study evolutionary processes. Photo credit: Myla F.J. Aronson.

Middle: Invasive shrubs *Berberis thunbergii* (Japanese barberry), *Lonicera tatarica* (Tatarian honeysuckle), and *L. morrowii* (Morrow's honeysuckle) dominate the understory of an unmanaged portion of mixed forest at Woodland Dunes Nature Center and Preserve, Two Rivers, Wisconsin, US. Photo credit: Rose Neumeyer Philips. Bottom: An invasive plant manager revisits a previously treated *Imperata cylindrica* (cogon grass) patch in central Florida, US, documenting the current extent and infestation level, information which can be input into the Spatial Invasive Infestation and Priority Analysis model to help plan future treatment efforts. Photo credit: Ryan Stone.

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## **Submissions**

We welcome submissions to Ecological Restoration from any part of the world. Submissions should relate to the restoration of plants, animals, ecological communities, or landscapes. We understand ecological restoration to be a multidisciplinary and diverse effort and welcome manuscripts considering ecological, and social aspects of restoration, as well as political, economic, legal, and regulatory issues, and other subjects related to ecological restoration. Relevant topics also include techniques and tools for planning, site preparation, species introduction, undesired species control, and monitoring. Manuscripts dealing with plant or animal community composition or general ecology must relate the work explicitly to ecological restoration practice and theory. Similarly, material dealing with reclamation or rehabilitation in a broader sense, or with restoration for economic purposes-economic forestry, range management, waste disposal—must be connected to ecological restoration.

Material may be submitted for the following categories (listed as they are encountered in the Journal):

- 1. Perspectives
- 2. Restoration Notes (shorter items, < 1500 words describing project updates, events, innovative technologies, preliminary or unusual findings, thoughtprovoking concepts, imaginative solutions, commentary, policy reports, etc.)
- 3. Research articles or reviews on ecological restoration theory, experiments, socio-ecological linkages, education, restoration history, practice
- 4. Case studies (full length articles describing a particular restoration project or location and lesson learned)
- 5. Book, journal, website, or movie reviews

Authors of full-length articles or reviews should submit their material online at er.msubmit.net. Manuscripts must be submitted with a cover letter stating that the material has not been previously published, and has not been submitted elsewhere and will not be until a final decision has been reached by the editor. Questions about the online submission site, or general inquiries may be emailed to ERjournal@aesop.rutgers.edu.

# **Review and Editing Process**

Manuscripts are reviewed externally by experts in the field. The process requires approximately four to six months. Restoration Notes are reviewed and edited in-house unless additional expertise is required to evaluate the submission.

# **Style**

Practitioners of ecological restoration are both a core audience and source of contributions to ER. Contributors should use a straightforward style free of unnecessary technical terms and jargon. We prefer the active voice (for example, "We measured three trees" instead of "Three trees were measured"). Please see our Submission Guidelines at er.uwpress.org for more information.

# Tables, Photos, and Illustrations

Table and Figure captions should include useful and detailed information, and should be independent of the text. Figures will be reproduced in black and white in the print version of Ecological Restoration (usually requiring higher contrast) and can be reproduced in color in the online version. We use color photos on the front and back covers of the journal and welcome submissions of eyecatching, informative, high-quality photographs.

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